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(71) Applicant: **FUJI ELECTRIC CO LTD**

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(72) Inventor: **OAKU YASUYUKI**

(54) **MOTOR PROTECTIVE CIRCUIT**

(57) Abstract:

PURPOSE: To automatically select and set the overheat protective level which is the optimum for a motor having an arbitrary capacity without relying on manual selecting and setting operations.

CONSTITUTION: In the circuit which protects a motor operated by means of a power converter by maintaining the current of the motor at or lower than an overheat protective level, a means 200' which applied a DC voltage across the motor before operating the motor, means 203 and 1 which detects DC current which is made to flow to the motor due to the DC voltage, means 2 and 3 which discriminate the capacity of the motor from the detected value of the DC current, and means 4 and 5 which select and set the overheat protective level of the motor in accordance with the discriminated capacity of the motor.

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